

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060120\
 Data File : BG045561.D
 Acq On : 1 Jun 2020 18:36
 Operator : CG/JU
 Sample : L2773-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NM47-COMP-2020-0-6

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Quant Time: Jun 01 19:13:03 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 15:07:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	77815	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	313867	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	222295	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	474365	20.00	ng	0.00
76) Chrysene-d12	21.60	240	421284	20.00	ng	0.00
87) Perylene-d12	24.75	264	455326	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	396217	99.51	ng	0.00
7) Phenol-d6	7.15	99	610735	107.77	ng	0.00
23) Nitrobenzene-d5	9.11	82	425815	73.98	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	299394	105.31	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	988610	75.44	ng	0.00
79) Terphenyl-d14	19.96	244	1376168	76.19	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	14.05	163	138604	9.089	ng	98
71) Phenanthrene	17.39	178	107566	5.194	ng	96
75) Fluoranthene	19.40	202	260656	9.896	ng	98
78) Pyrene	19.76	202	242646	10.104	ng	98
81) Benzo(a)anthracene	21.58	228	144089	6.140	ng	98
83) Chrysene	21.65	228	125580	5.565	ng	99
86) Indeno(1,2,3-cd)pyrene	28.30	276	95537	3.238	ng	# 94
88) Benzo(b)fluoranthene	23.75	252	181530	7.434	ng	# 99
89) Benzo(k)fluoranthene	23.81	252	65613m	2.860	ng	
90) Benzo(a)pyrene	24.60	252	134182	5.900	ng	95
92) Benzo(g,h,i)perylene	29.42	276	89924	3.934	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

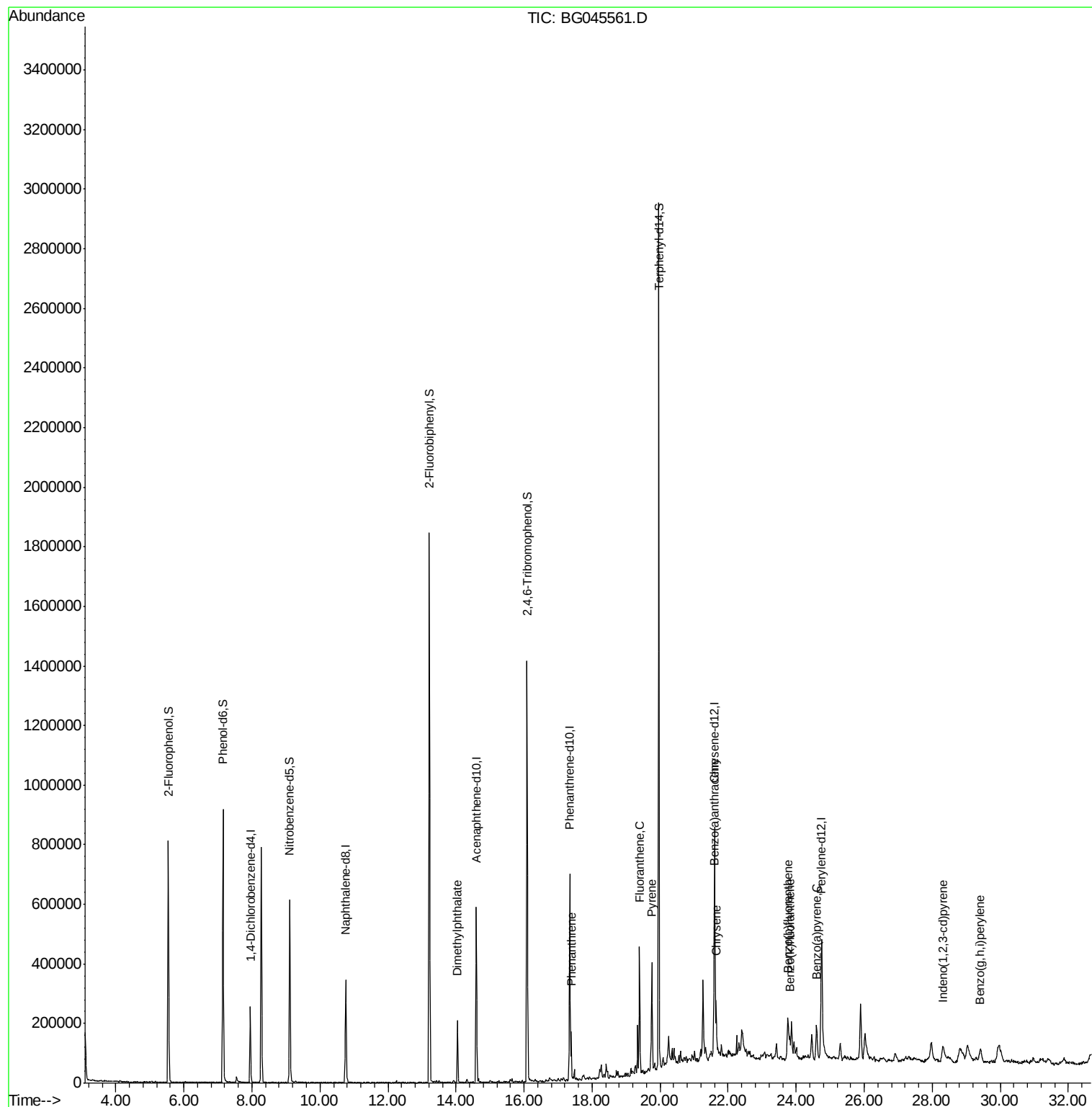
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060120\
Data File : BG045561.D
Acq On : 1 Jun 2020 18:36
Operator : CG/JU
Sample : L2773-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

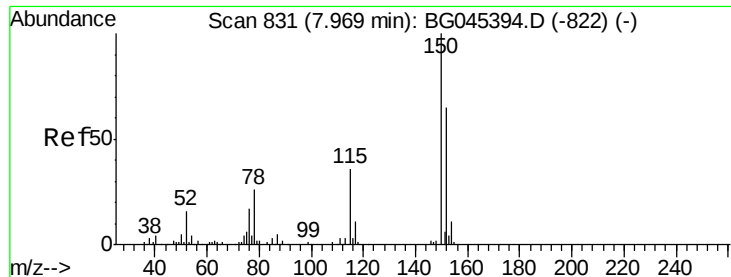
Instrument :
BNA_G
ClientSampleId :
NM47-COMP-2020-0-6

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Quant Time: Jun 01 19:13:03 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 01 15:07:00 2020
Response via : Initial Calibration





#1

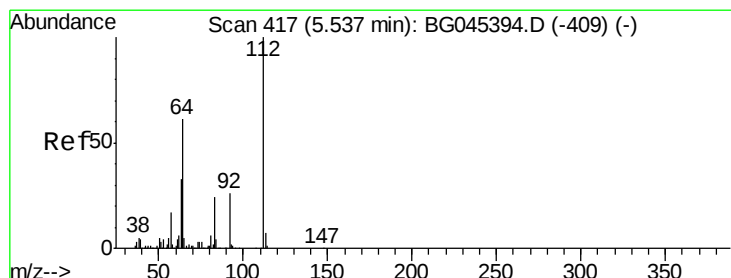
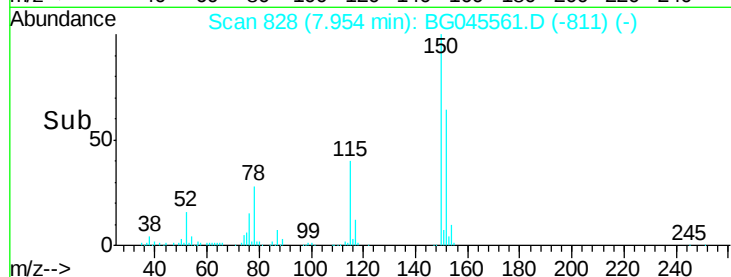
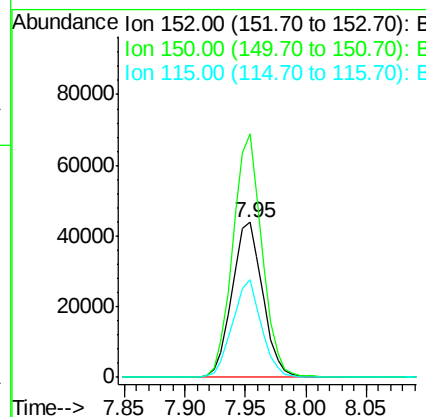
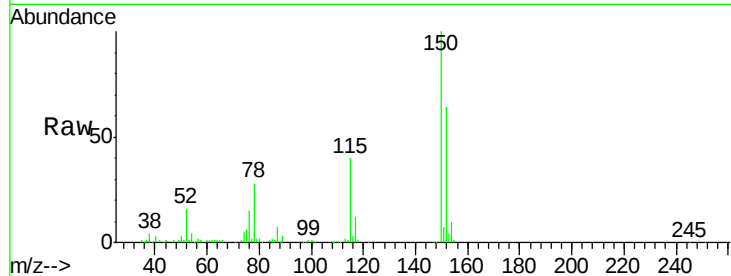
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. 0.00 min
Lab File: BG045561.D
Acq: 1 Jun 2020 18:36

Instrument :
BNA_G
ClientSampleId :
NM47-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	122.4	183.6
115	62.8	44.2	66.4

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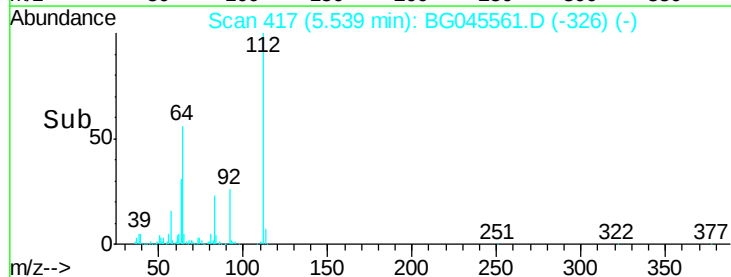
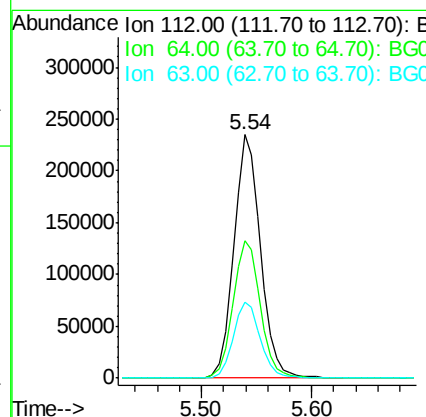
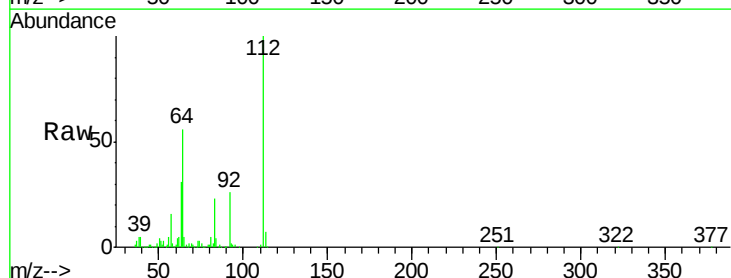
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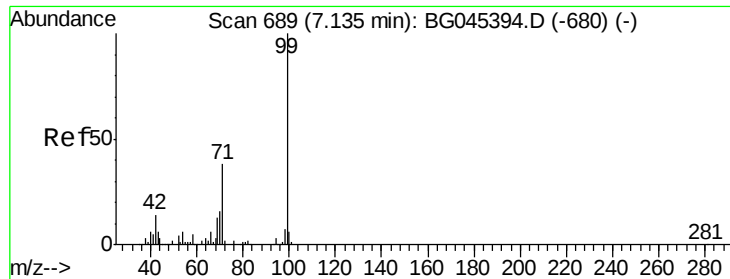


#5

2-Fluorophenol
Concen: 99.509 ng
RT: 5.54 min Scan# 417
Delta R.T. 0.00 min
Lab File: BG045561.D
Acq: 1 Jun 2020 18:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	48.6	72.8
63	31.2	26.5	39.7





#7

Phenol-d6

Concen: 107.766 ng

RT: 7.15 min Scan# 691

Delta R.T. 0.00 min

Lab File: BG045561.D

Acq: 1 Jun 2020 18:36

Instrument :

BNA_G

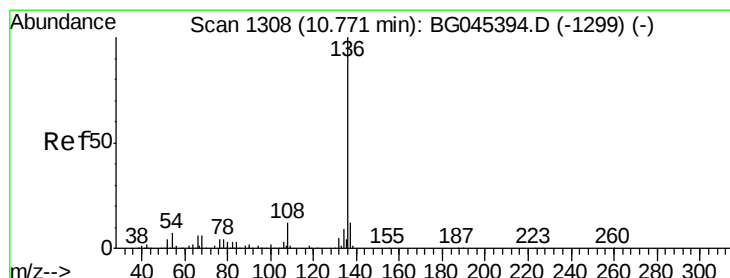
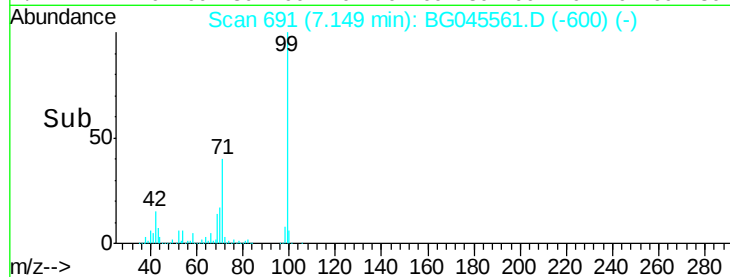
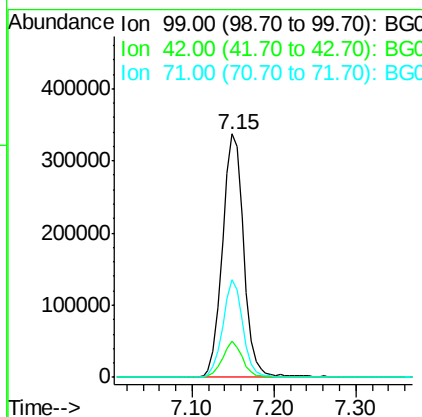
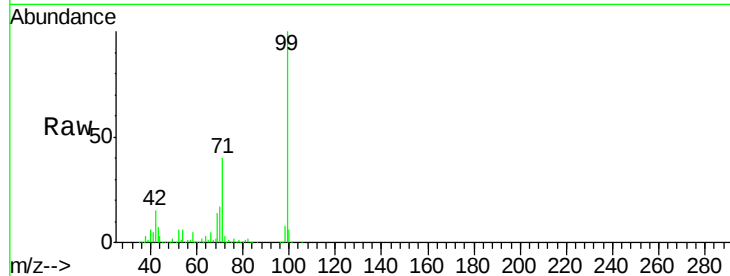
ClientSampleId :

NM47-COMP-2020-0-6

Tot Ion:	99	Resp:	610735
Ion Ratio	Lower	Upper	
99	100		
42	14.8	11.3	16.9
71	39.9	30.8	46.2

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#21

Naphthalene-d8

Concen: 20.000 ng

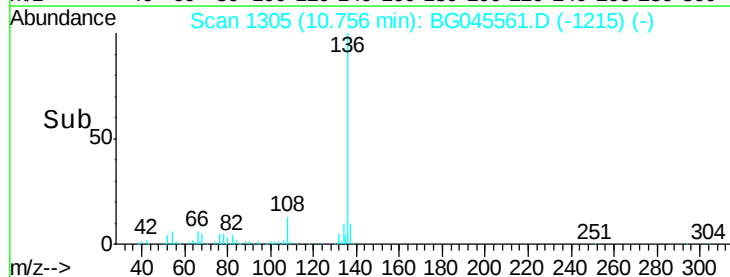
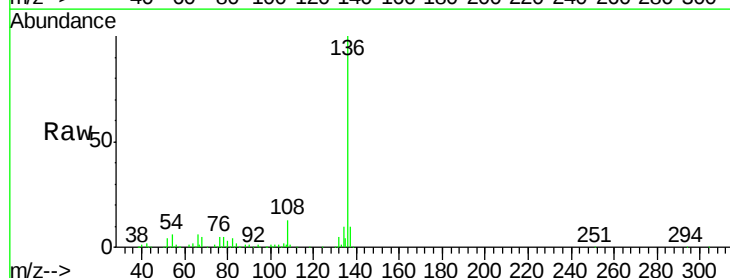
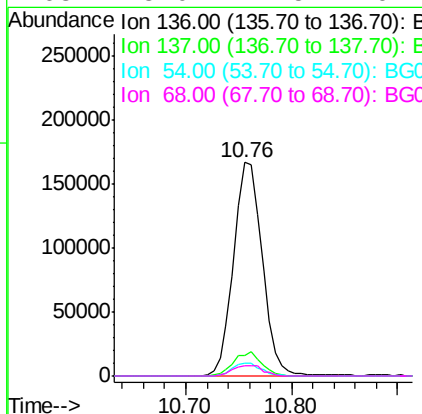
RT: 10.76 min Scan# 1305

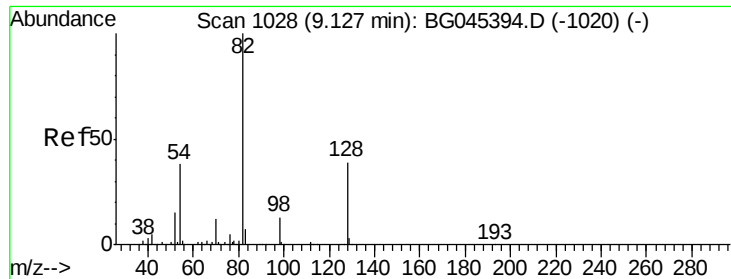
Delta R.T. -0.00 min

Lab File: BG045561.D

Acq: 1 Jun 2020 18:36

Tgt Ion:	136	Resp:	313867
Ion Ratio	Lower	Upper	
136	100		
137	9.8	9.4	14.2
54	5.7	5.8	8.6#
68	5.0	4.5	6.7





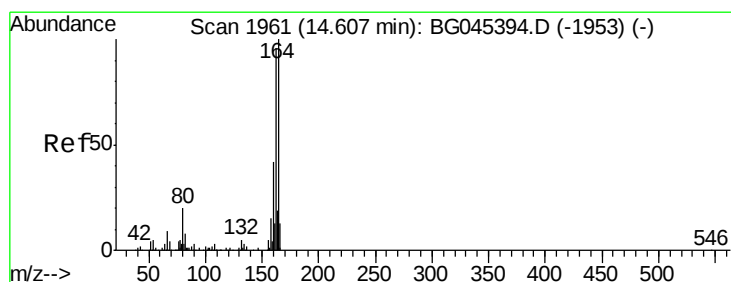
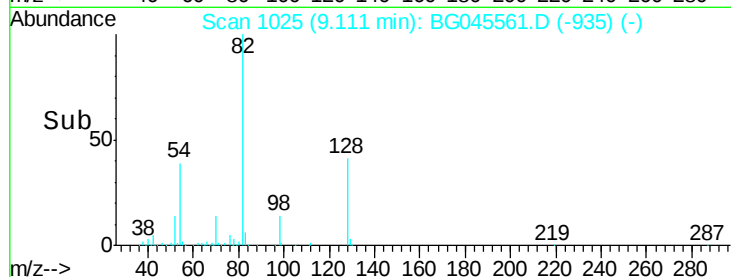
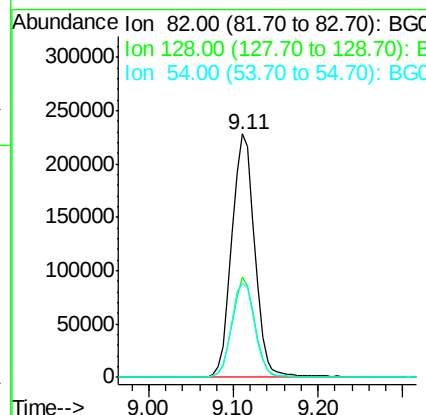
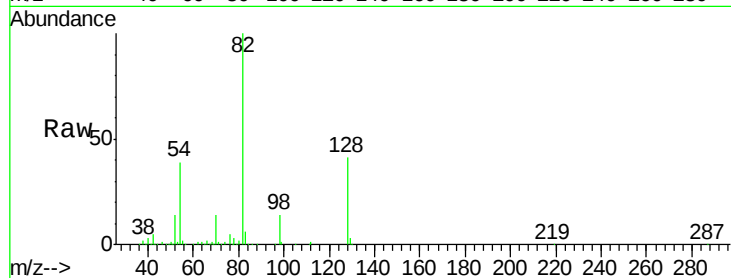
#23
Nitrobenzene-d5
Concen: 73.982 ng
RT: 9.11 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BG045561.D
Acq: 1 Jun 2020 18:36

Instrument :
BNA_G
ClientSampleId :
NM47-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.2	30.9	46.3
54	38.7	30.3	45.5

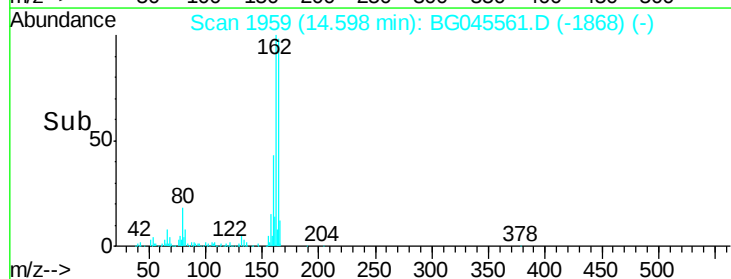
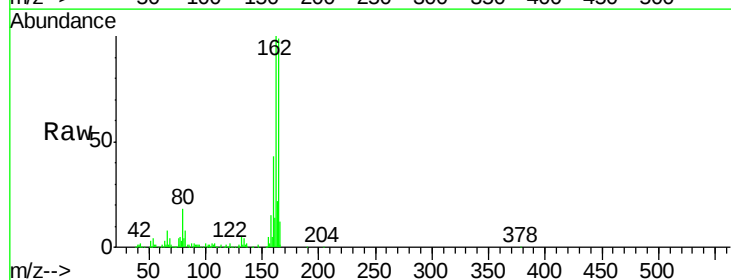
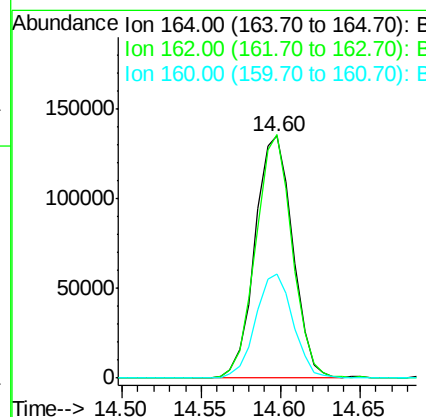
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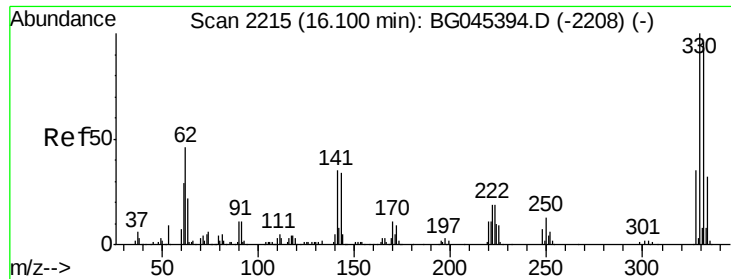
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.60 min Scan# 1959
Delta R.T. 0.00 min
Lab File: BG045561.D
Acq: 1 Jun 2020 18:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	76.9	115.3
160	43.0	33.8	50.8





#42

2,4,6-Tribromophenol

Concen: 105.313 ng

RT: 16.09 min Scan# 2213

Delta R.T. -0.00 min

Lab File: BG045561.D

Acq: 1 Jun 2020 18:36

Instrument :

BNA_G

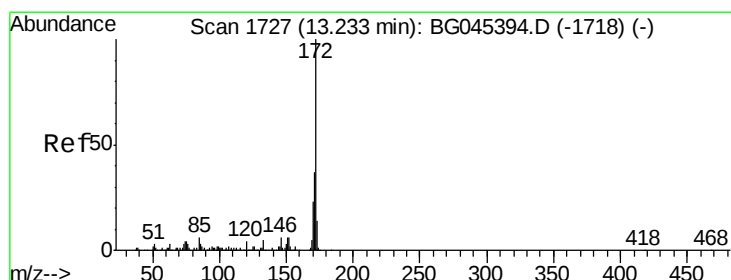
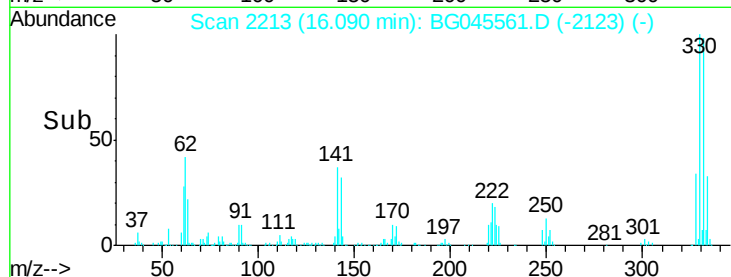
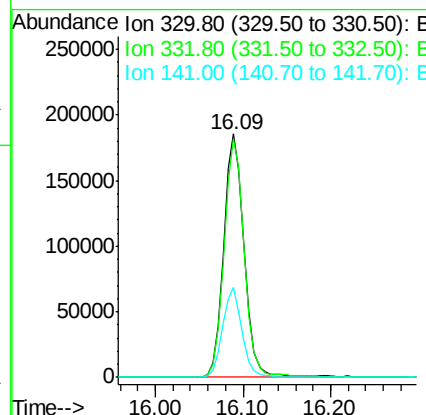
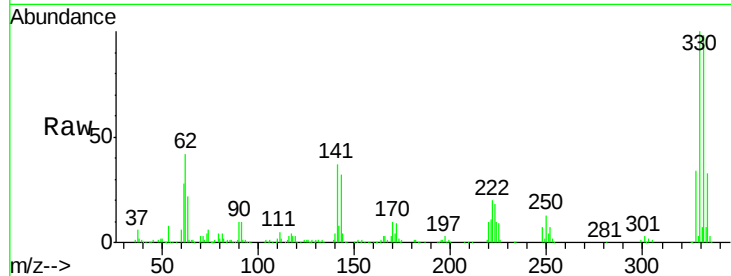
ClientSampleId :

NM47-COMP-2020-0-6

Tot Ion:	330	Resp:	299394
Ion Ratio	Lower	Upper	
330	100		
332	97.4	78.2	117.4
141	35.3	28.2	42.4

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#45

2-Fluorobiphenyl

Concen: 75.435 ng

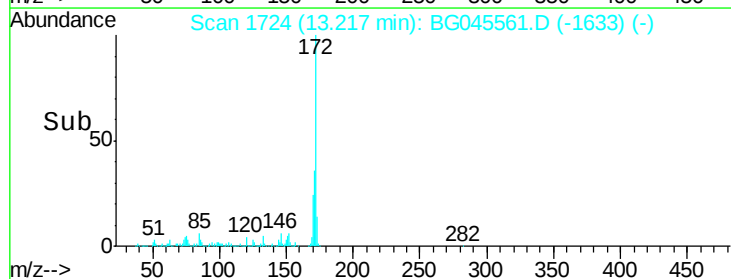
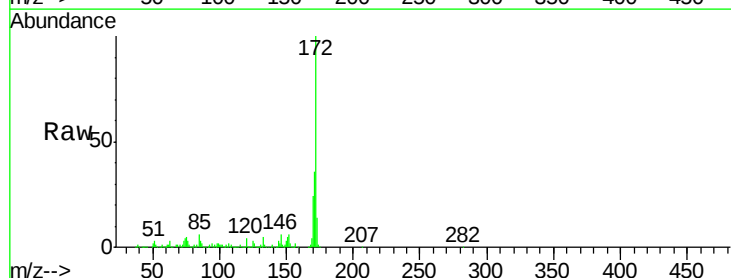
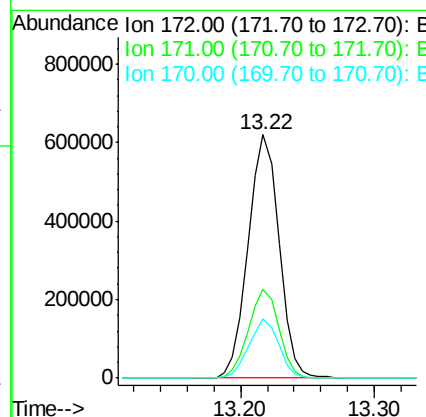
RT: 13.22 min Scan# 1724

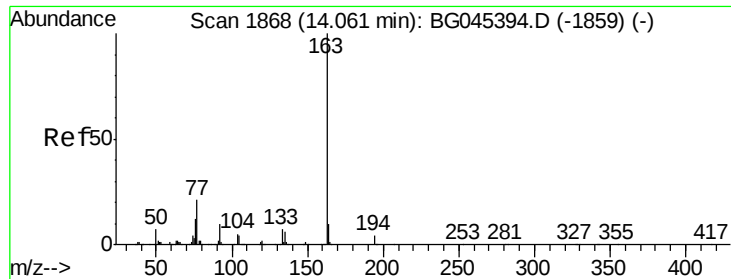
Delta R.T. 0.00 min

Lab File: BG045561.D

Acq: 1 Jun 2020 18:36

Tgt Ion:	172	Resp:	988610
Ion Ratio	Lower	Upper	
172	100		
171	36.3	29.5	44.3
170	24.3	18.5	27.7





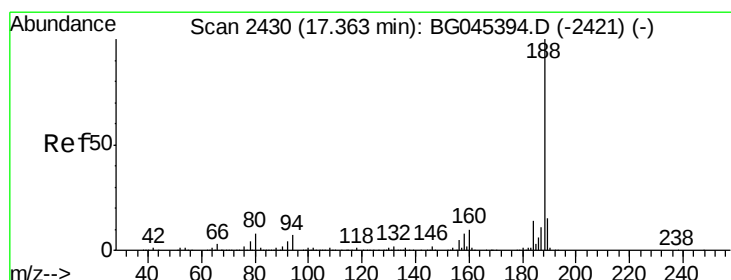
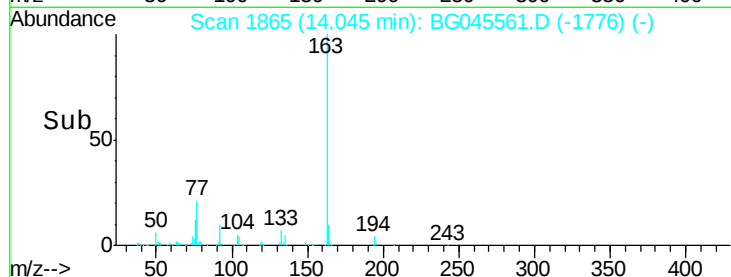
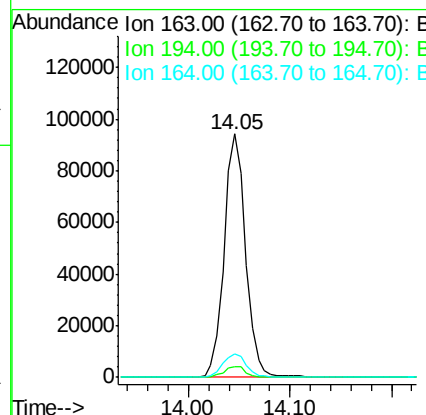
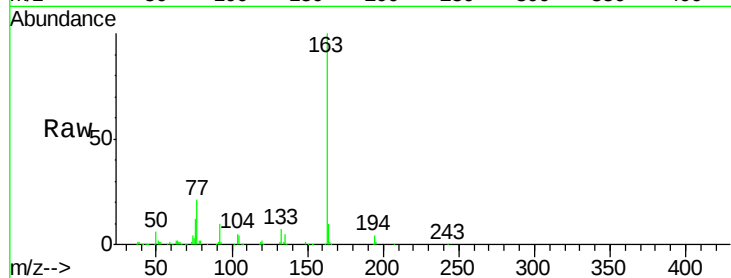
#50
Dimethylphthalate
Concen: 9.089 ng
RT: 14.05 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BG045561.D
Acq: 1 Jun 2020 18:36

Instrument :
BNA_G
ClientSampleId :
NM47-COMP-2020-0-6

Tot Ion	Ratio	Resp	Lower	Upper
163	100	138604		
194	4.5	3.2	4.8	
164	9.7	8.3	12.5	

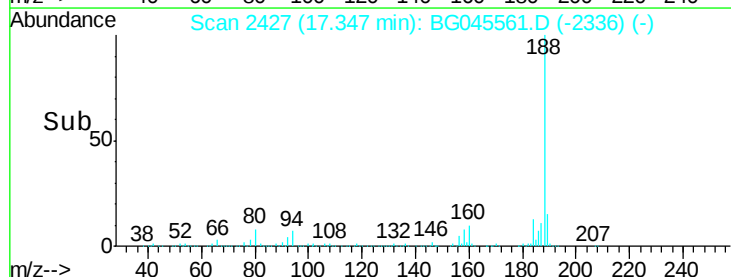
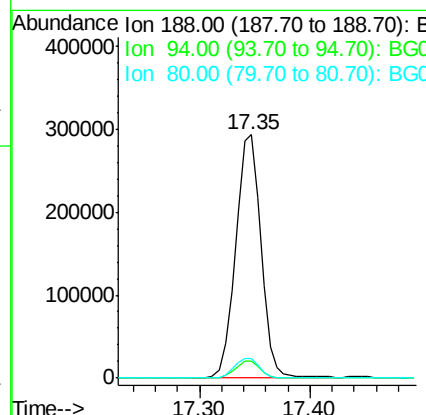
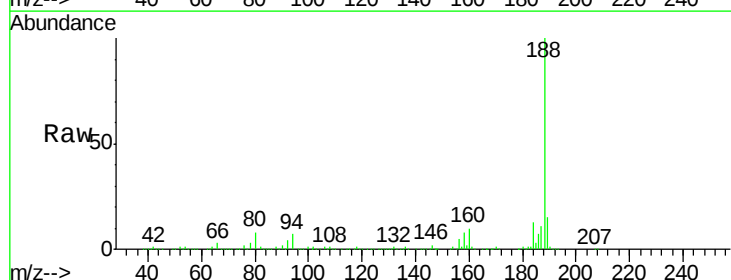
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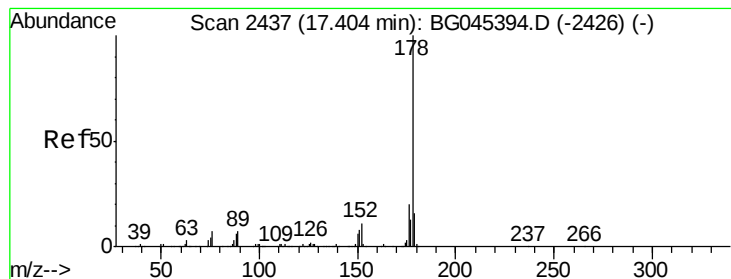
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.35 min Scan# 2427
Delta R.T. 0.00 min
Lab File: BG045561.D
Acq: 1 Jun 2020 18:36

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	474365		
94	7.1	5.5	8.3	
80	8.2	6.6	10.0	





#71

Phenanthrene

Concen: 5.194 ng

RT: 17.39 min Scan# 2434

Delta R.T. 0.00 min

Lab File: BG045561.D

Acq: 1 Jun 2020 18:36

Instrument :

BNA_G

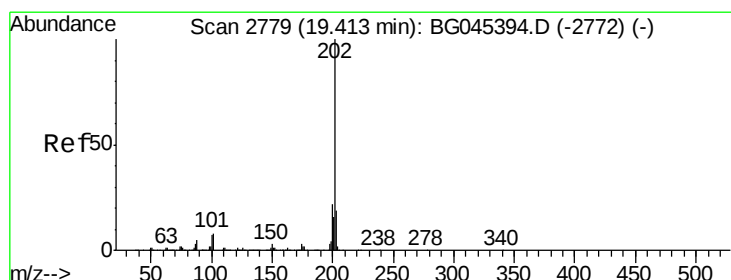
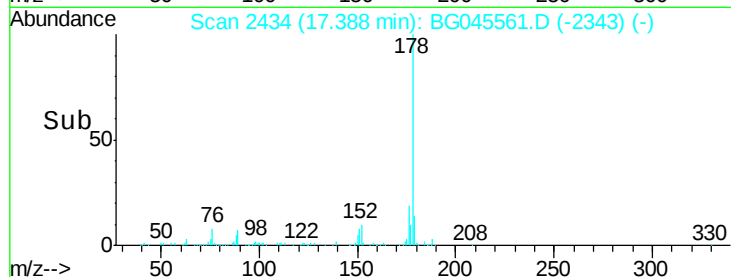
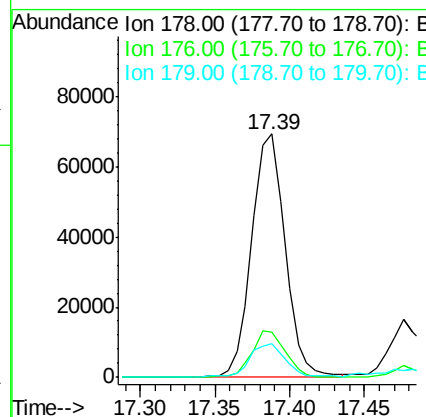
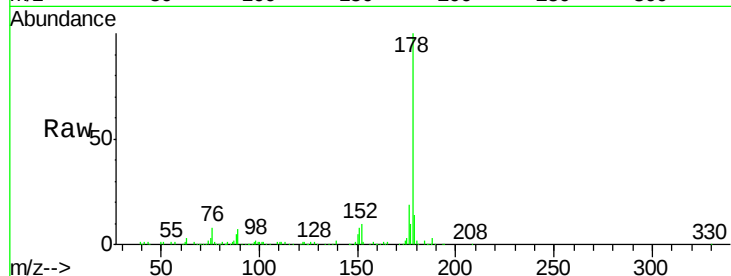
ClientSampleId :

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Tot Ion:	178	Resp:	107566
Ion Ratio	Lower	Upper	
178	100		
176	18.8	16.2	24.4
179	13.9	13.1	19.7

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#75

Fluoranthene

Concen: 9.896 ng

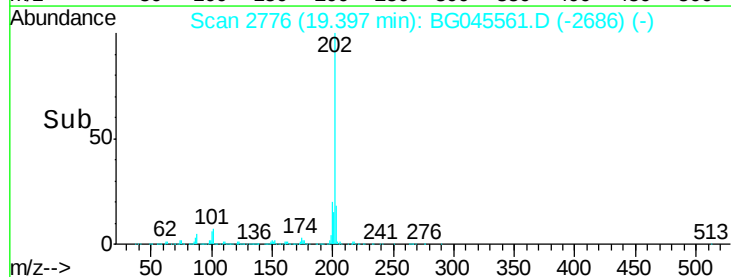
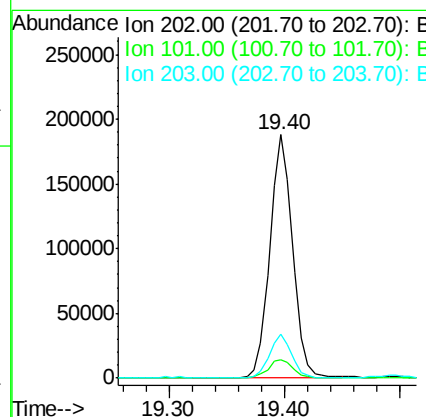
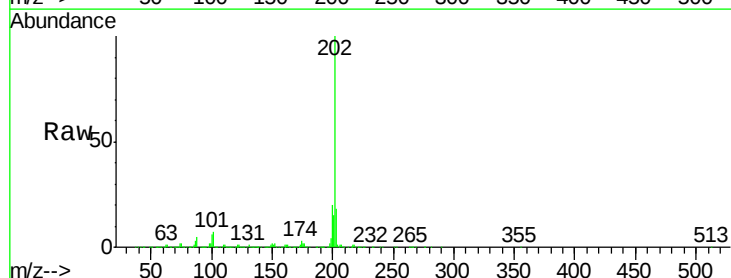
RT: 19.40 min Scan# 2776

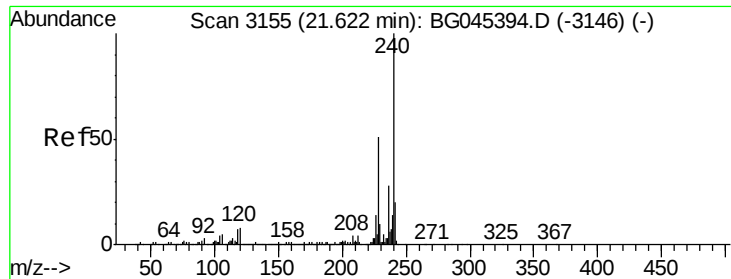
Delta R.T. -0.00 min

Lab File: BG045561.D

Acq: 1 Jun 2020 18:36

Tgt Ion:	202	Resp:	260656
Ion Ratio	Lower	Upper	
202	100		
101	7.5	0.0	28.3
203	18.2	0.0	39.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.60 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG045561.D

Acq: 1 Jun 2020 18:36

Instrument :

BNA_G

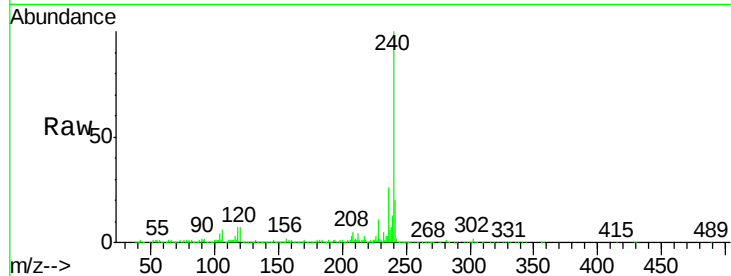
ClientSampleId :

NM47-COMP-2020-0-6

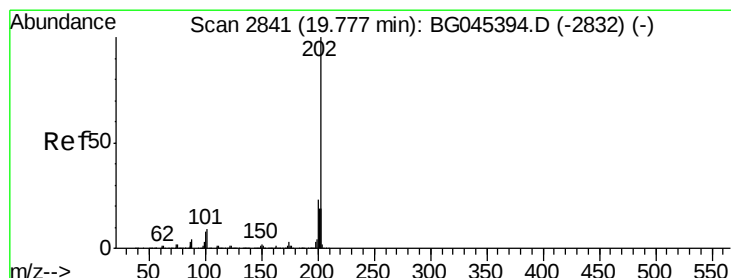
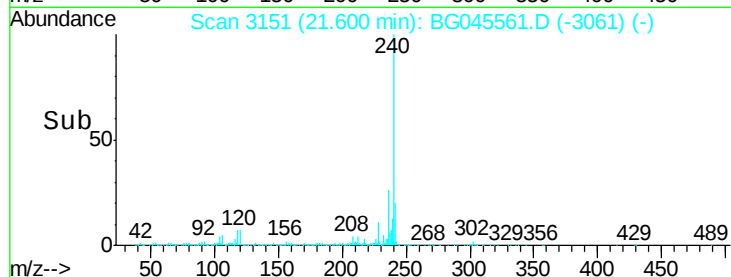
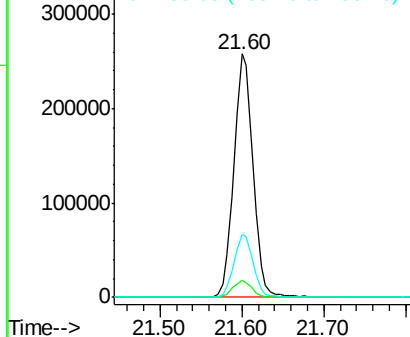
Tot Ion:	240	Resp:	421284
Ion Ratio	Lower	Upper	
240	100		
120	6.9	6.1	9.1
236	25.9	22.3	33.5

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 10.104 ng

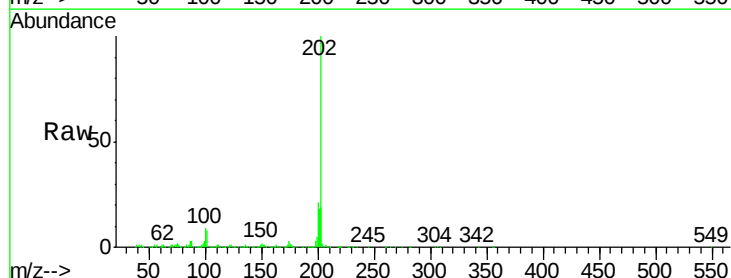
RT: 19.76 min Scan# 2837

Delta R.T. -0.00 min

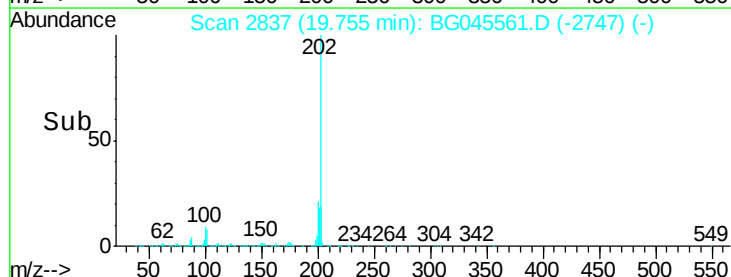
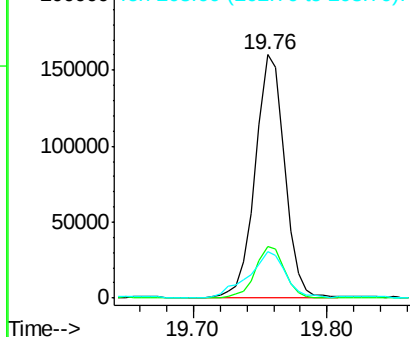
Lab File: BG045561.D

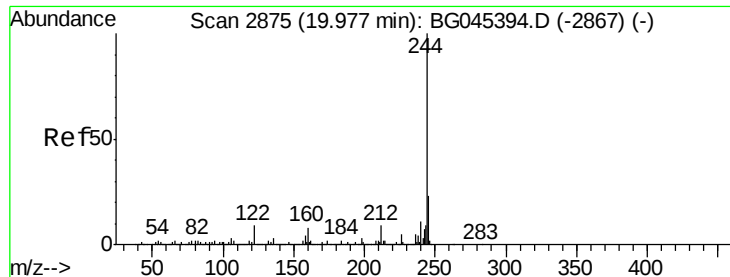
Acq: 1 Jun 2020 18:36

Tgt Ion:	202	Resp:	242646
Ion Ratio	Lower	Upper	
202	100		
200	21.3	18.2	27.2
203	19.3	15.1	22.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 76.187 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.00 min

Lab File: BG045561.D

Acq: 1 Jun 2020 18:36

Instrument :

BNA_G

ClientSampleId :

NM47-COMP-2020-0-6

Tot Ion:244 Resp: 1376168

Ion Ratio Lower Upper

244 100

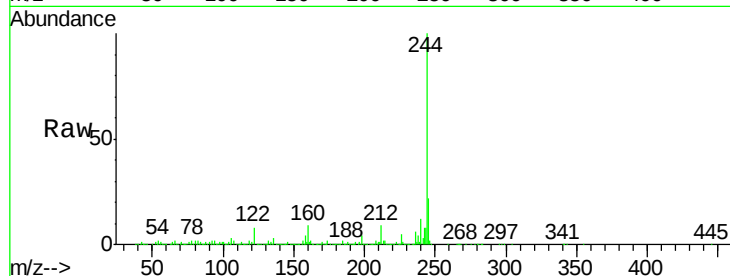
212 9.0 7.4 11.0

122 8.3 6.8 10.2

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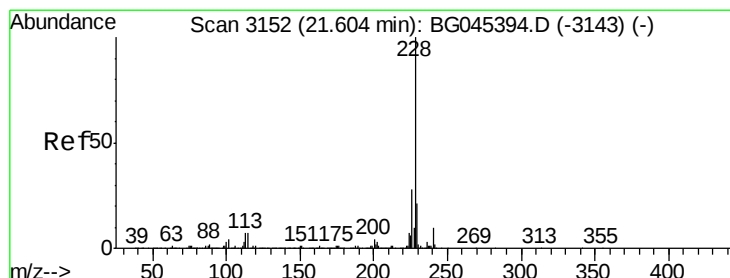
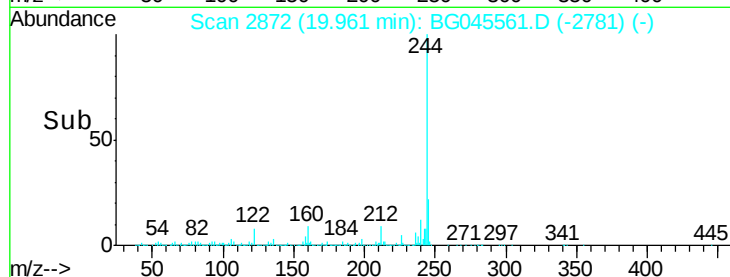
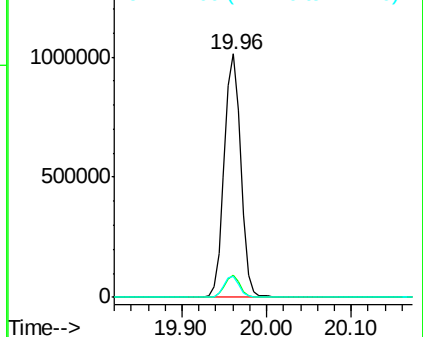
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 6.140 ng

RT: 21.58 min Scan# 3148

Delta R.T. -0.00 min

Lab File: BG045561.D

Acq: 1 Jun 2020 18:36

Tgt Ion:228 Resp: 144089

Ion Ratio Lower Upper

228 100

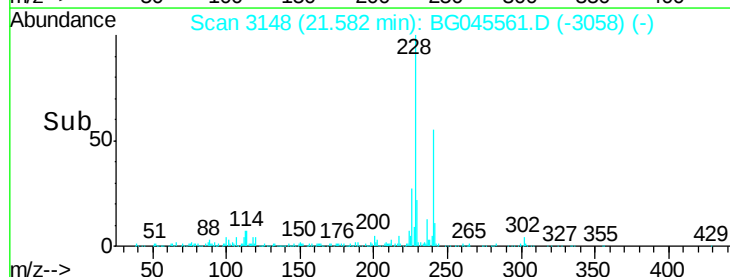
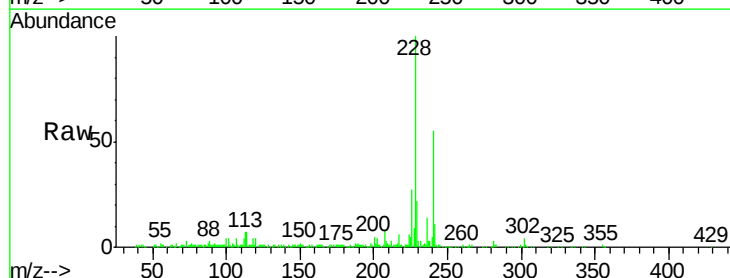
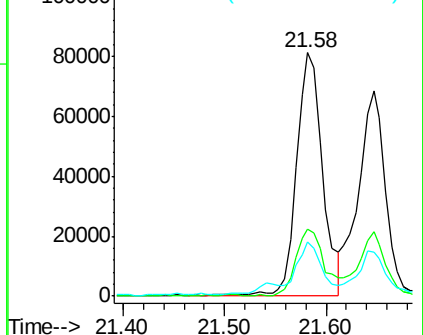
226 27.4 22.7 34.1

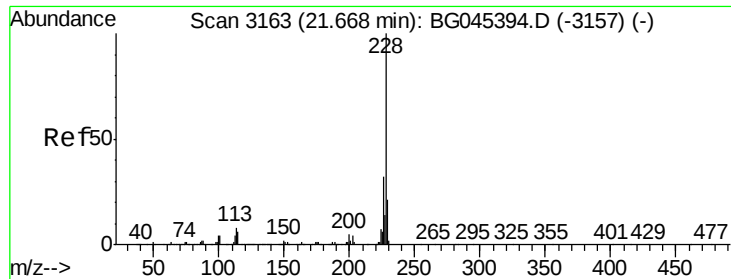
229 22.0 16.7 25.1

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.565 ng

RT: 21.65 min Scan# 3159

Delta R.T. -0.00 min

Lab File: BG045561.D

Acq: 1 Jun 2020 18:36

Instrument :

BNA_G

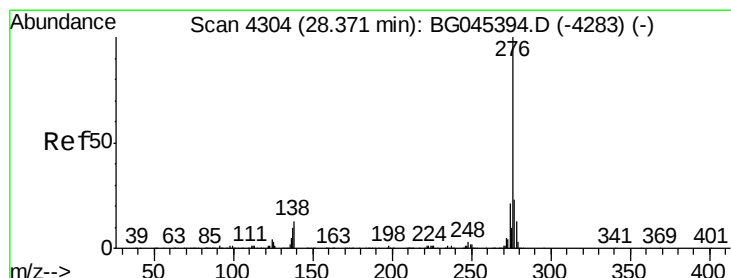
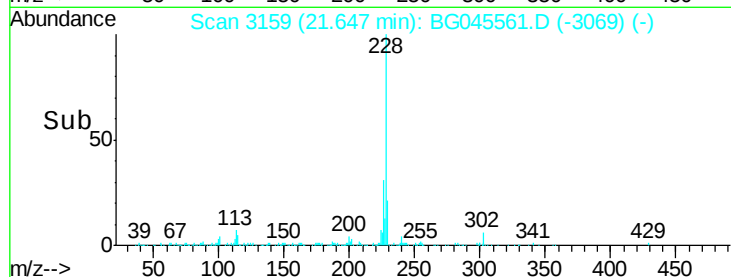
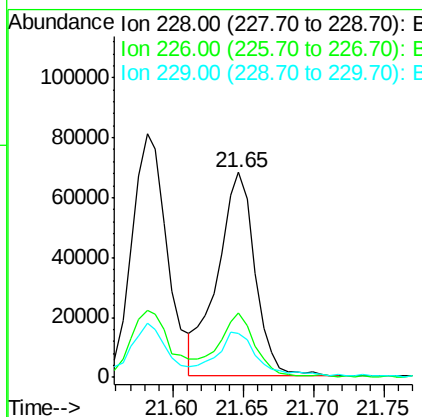
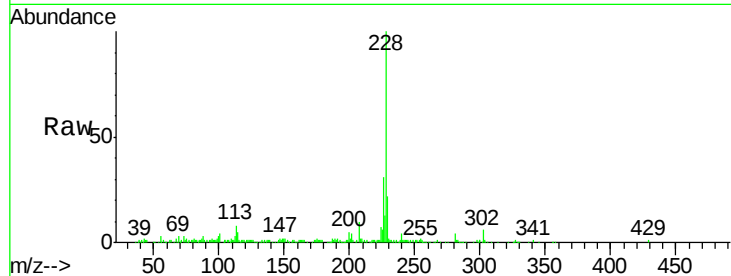
ClientSampleId :

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Tot Ion:	228	Resp:	125580
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.2	37.8
229	21.6	16.7	25.1

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#86

Indeno(1,2,3-cd)pyrene

Concen: 3.238 ng

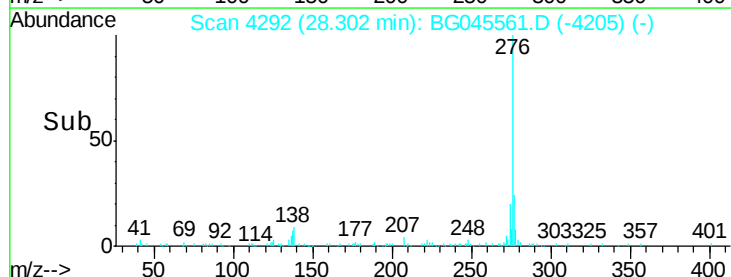
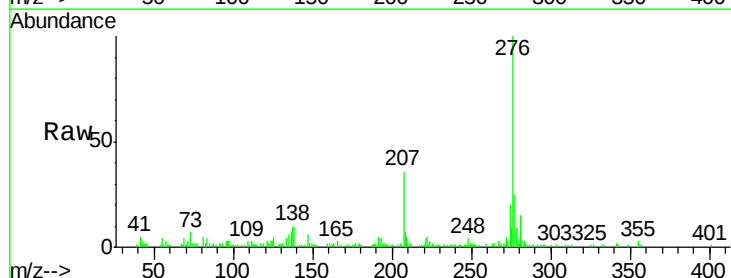
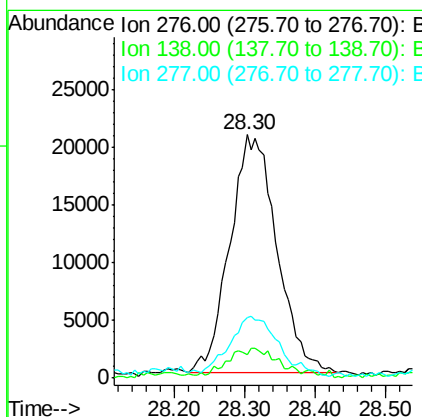
RT: 28.30 min Scan# 4292

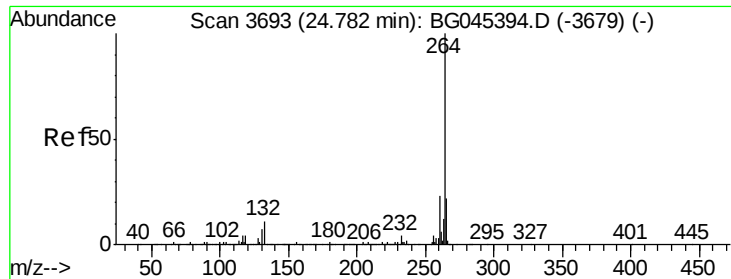
Delta R.T. -0.02 min

Lab File: BG045561.D

Acq: 1 Jun 2020 18:36

Tgt Ion:	276	Resp:	95537
Ion Ratio	Lower	Upper	
276	100		
138	4.8	8.6	12.8#
277	26.1	20.2	30.4





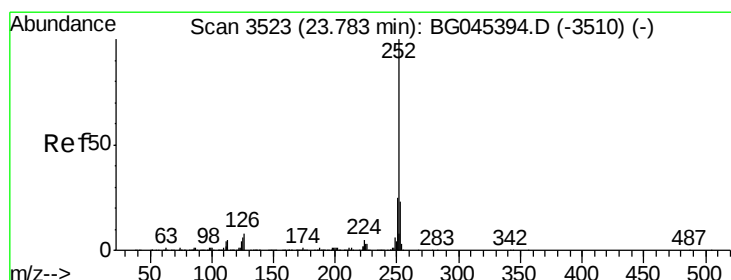
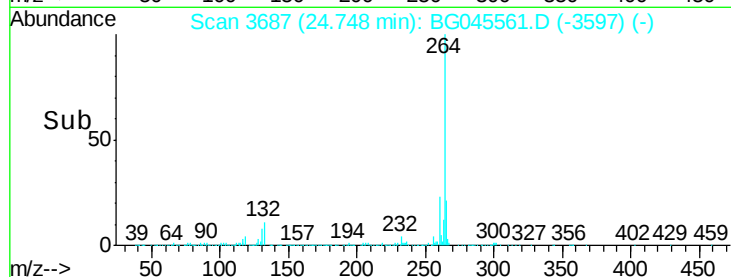
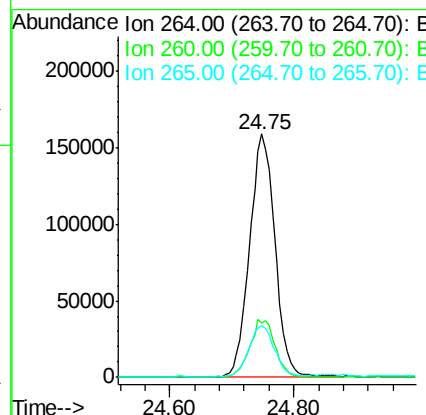
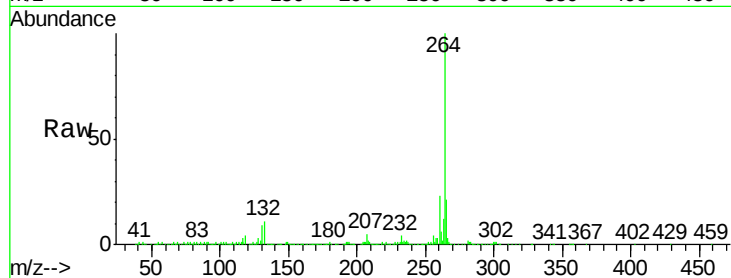
#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.75 min Scan# 3687
Delta R.T. -0.00 min
Lab File: BG045561.D
Acq: 1 Jun 2020 18:36

Instrument :
BNA_G
ClientSampleId :
NM47-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.2	27.4
265	21.1	17.6	26.4

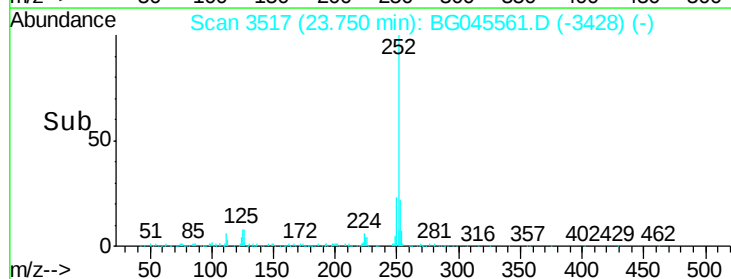
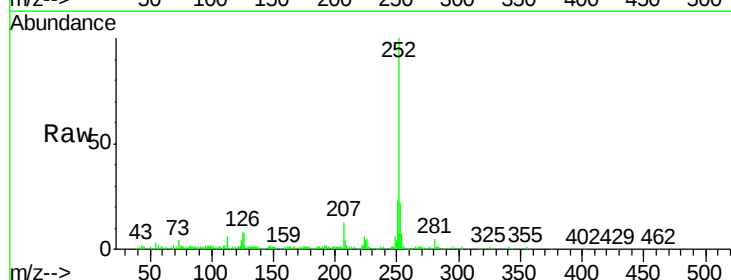
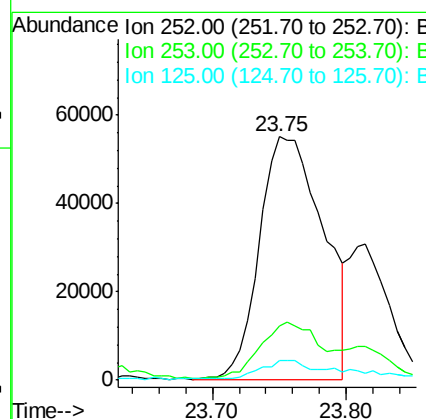
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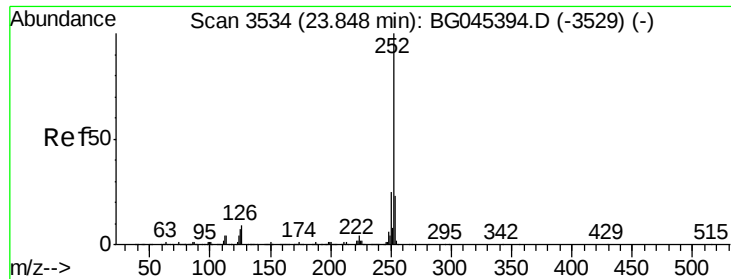
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#88
Benzo(b)fluoranthene
Concen: 7.434 ng
RT: 23.75 min Scan# 3517
Delta R.T. -0.01 min
Lab File: BG045561.D
Acq: 1 Jun 2020 18:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	7.9	5.0	7.6#





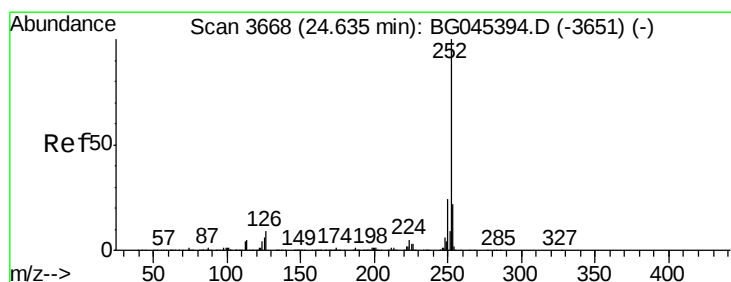
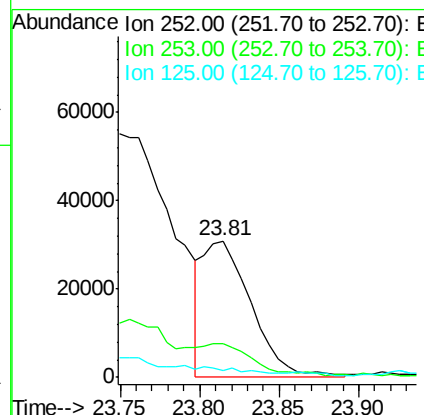
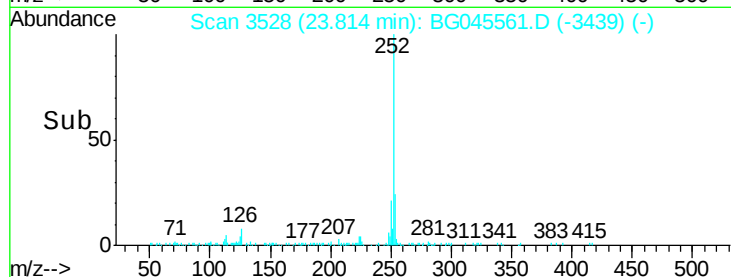
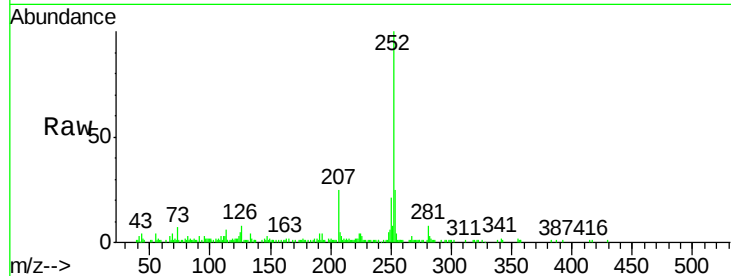
#89
Benzo(k)fluoranthene
Concen: 2.860 ng m
RT: 23.81 min Scan# 3528
Delta R.T. -0.01 min
Lab File: BG045561.D
Acq: 1 Jun 2020 18:36

Instrument :
BNA_G
ClientSampleId :
NM47-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.4	27.6
125	5.2	5.7	8.5#

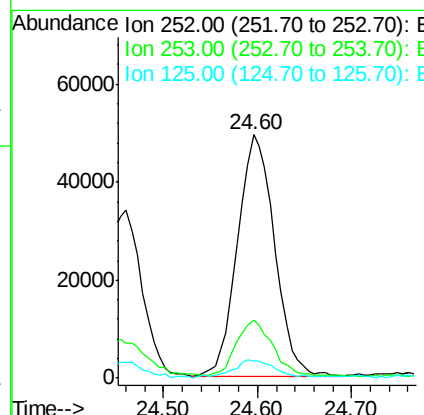
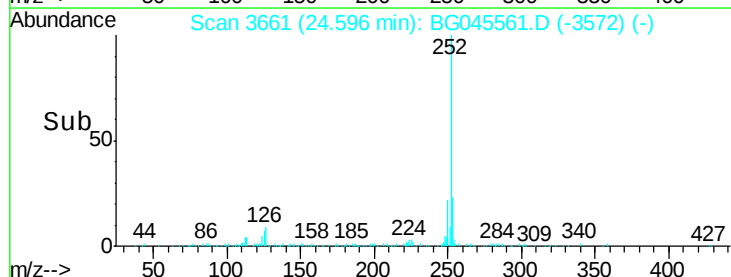
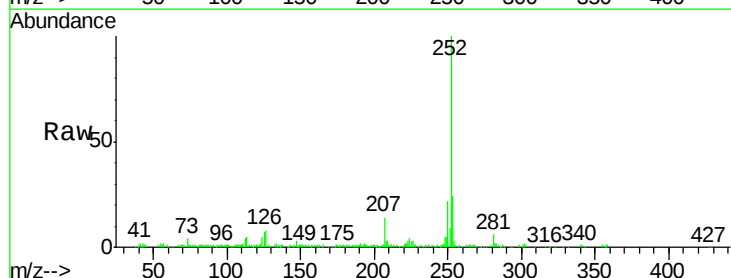
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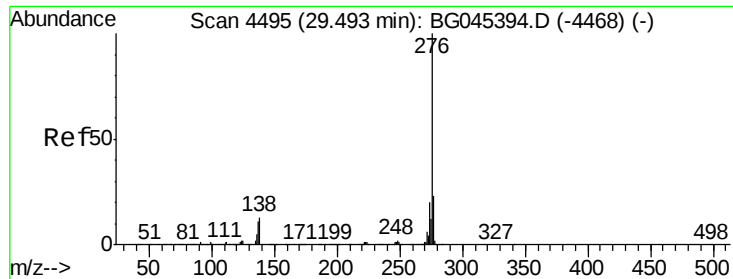
mohammad
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#90
Benzo(a)pyrene
Concen: 5.900 ng
RT: 24.60 min Scan# 3661
Delta R.T. -0.01 min
Lab File: BG045561.D
Acq: 1 Jun 2020 18:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.2	25.8
125	7.0	5.0	7.6





#92

Benzo(a,h,i)perylene

Concen: 3.934 ng

RT: 29.42 min Scan# 4482

Delta R.T. -0.02 min

Lab File: BG045561.D

Acq: 1 Jun 2020 18:36

Instrument :

BNA_G

ClientSampleId :

NM47-COMP-2020-0-6

Tot Ion:	276	Resp:	89924
Ion Ratio	Lower	Upper	
276	100		
277	23.8	18.1	27.1
138	11.5	10.2	15.4

Manual Integrations
APPROVED

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